

## Sentriion Message Processors

### Scaleable Platform for Enterprise Messaging Infrastructure and Applications

#### Overview

Email has become the primary media to drive core business communications and in today's complex business world of acquisitions, mergers, and compliance regulations, information technology (IT) organizations are struggling to keep up with the demands on messaging infrastructures. The requirements for email infrastructure, sophisticated message routing, content protection, security, and network performance have changed dramatically.

Given today's economic realities, IT Administrators are looking for ways to address all of these challenges while achieving a compelling Return-on-Investment on their messaging infrastructure investments. They seek solutions that address the requirements of the Internal Policy and Message Routing backbone, as well as provide a platform for applications and management of messaging infrastructure. The solution must be flexible, easy-to-manage and provide scalable and reliable email delivery, advanced content filtering, and myriad application choices for future messaging requirements.

#### Sentriion Message Processors

Sentriion Message Processors are high-performance message security appliances that provide a unified solution to the complex problems of hybrid infrastructures and policy-based message handling and routing. Sentriion is available as a hard appliance (Sentriion MP) and a virtual appliance (Sentriion MPV). Global 2000 organizations are using Sentriion Message Processors to modernize their messaging infrastructure and to reduce the cost and complexity of securing and managing their corporate email.

#### Sentriion Message Processors

- Inbound Message Processing
- Internal Policy and Routing
- Intra-company Groupware Routing and Policy Enforcement
- SMTP Backbone for Hybrid Architectures

## **Sentriion is a Purpose-Built, High-Performance Message Processing Appliance for:**

- Managing Hybrid Architectures: Fabric for intelligent message processing
- External Protection: Bi-directional message encryption and sophisticated connection controls prior to inbound processing
- Inbound Message Processing: Virus and malicious software protection
- Internal Policy and Routing: Intelligent policy-driven message handling and routing
- Message Management for Multiple and Mixed Groupware Environments: Enforces intra-company/division content policies and provides policy-based message routing for MS Exchange, IBM Lotus Domino, etc.

Policy applications can be added to Sentriion to monitor and enforce outbound messages for:

- Corporate governance
- Regulatory compliance
- Privacy violations
- Data leak prevention

## **Features and Functionality**

The Sentriion Appliance Key Functions Include:

### **Enterprise-class high-performance architecture**

- 64-bit hardware and operating system
- Available in multiple deployment options
- 24/48GB Memory
- RAID Storage
- Enterprise clustering and scalability
- LDAP directory services and integration

### **Configuration Version Control**

- Track and manage all system configuration changes with support for full roll-back and configuration tagging
- Make incremental configuration changes; commit and deploy to multiple hosts with a single operation

### **Role-based Access Control and User Interface**

- Gives individual business stakeholders custom reporting views
- Provides collaboration workflow between functional groups

## **Splunk Powered Reporting**

The Splunk IT Search Engine is embedded as a core component of the Sentrion Message Processing Engine for out-of-the-box base reporting and message tracking. The Splunk- powered Sentrion MPE reporting engine provides a predefined set of standard messaging reports such as:

- Delivery Status
- Top Attachment Types
- TLS Connections
- Message Categorization Summary
- Policy Summary
- Virus and Spam Summary
- Top Senders and Recipients
- And more...

An optional Enterprise Reporting application, Premium Reporting Powered by Splunk, is available from the Sentrion Application Store and provides more advanced reporting requirements including the ability to customize dashboards, reports, searches and more.

## **Multiple best-of-breed Anti-virus Applications**

- Anti-virus protection
- Zero-hour virus detection

## **Policy-driven Message Encryption**

- Enables administrators to provide secure messaging of confidential or otherwise critical information to satisfy business and compliance requirements without affecting user behavior — using TLS, S/MIME, and Totemo for multiple encryption options
- In-line, single appliance message encryption with no client software
- Reduces overall administration, infrastructure and integration requirements by consolidating all encryption functions into a single appliance
- Minimizes end-user dependency by enforcing enterprise encryption policy at the gateway and/or internal policy layer through Sentrion's intelligent policy engine

## Sentriion MP Specifications

Component	Sentriion MP 391	Sentriion MP 392	Sentriion MP 392X
Height	1U	1U	1U
Hardware Architecture	64 bit	64 bit	64 bit
Software Architecture	64 bit	64 bit	64 bit
CPU	1x12 Cores 2.60GHz Intel Xeon Gold 6126 CPU	2x12 Cores 2.60GHz Intel Xeon Gold 6126 CPU	2x12 Cores 2.60GHz Intel Xeon Gold 6126 CPU
DVD Drive	Yes	Yes	Yes
RAM	32 GB (256 GB Max)	64 GB (384 GB Max)	64 GB (384 GB Max)
Operating System Disks	2x 600GB @15K RPM SA SCSI 12Gbps - 2.5" RAID - 1	2x 600 GB@15K RPM SA SCSI 12Gbps - 2.5" RAID - 1	2x 600 GB@15K RPM SA SCSI 12Gbps - 2.5" RAID - 1
Data Disks	Share with Operating System	4x 600GB @15K RPM SA SCSI 12Gbps - 2.5" RAID - 5  1.7 TB available disk for data	4x 900GB @15K RPM SA SCSI 12Gbps - 2.5" RAID - 5  2.4 TB available disk for data
RAID	RAID-1 H740 2Gb Controller	RAID-1 and RAID-5 H740 2GB controller	RAID-1 and RAID-5 H740 2GB controller
On-board NIC	Broadcom 95720 DP 1Gb Network Daughter Card	Broadcom 95720 DP 1Gb Network Daughter Card	Broadcom 95720 DP 1Gb Network Daughter Card
Add-on NIC	Broadcom 5719 QP 1Gb Network Interface Card	Broadcom 5719 QP 1Gb Network Interface Card	Broadcom 5719 QP 1Gb Network Interface Card
Remote Management	iDRAC9 Enterprise	iDRAC9 Enterprise	iDRAC9 Enterprise
Power Supply	Dual, Hot Plug, RedundantPower Supply (1+1), 550W	Dual, Hot Plug, RedundantPower Supply (1+1), 550W	Dual, Hot Plug, RedundantPower Supply (1+1), 550W

Figure 2: Also available as a virtual appliance with Sentriion MPV. See the Sentriion MPV fact sheet for additional specifications.

## Benefits

- Purpose-built, high-performance architecture gives proven high ROI
- Provides accuracy and protection where 80 percent of security and compliance violations occur – in inbound and outbound email communications
- Compliance policies enable immediate policy enforcement based on industry best practices
- Centralized policy management for global enterprise policy enforcement and incident remediation without interrupting business process workflow
- Intuitive user interface that does not require any training or extensive prior knowledge of the Sentrion components
- Quickly and accurately make key messaging related decisions and conclusions based on extensive reporting and data availability
- Satisfy both administrators and management with detailed, yet intuitive reporting templates
- Platform for future growth and easy integration with existing messaging infrastructure
- Enterprise-scale with proven performance and reliability
- Easy-to-manage unified architecture for centralized management
- Reduce on-going administration of the hardware, OS and applications by monitoring all hosts through a centralized interface and proactive alert notifications
- Advanced policy management to map any compliance or enterprise security policy

## Summary

Sentrion appliances are architected to enable enterprises to modernize messaging infrastructure with an intelligent email backbone for policy-based message routing and managing system generated communications between groupware systems and the Internet. Since 1982, thousands of enterprises around the world have relied on Sendmail open source and the award winning Sentrion hard and virtual appliances.

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